In the Claims:

Please cancel claims 2, 3, and 4.

Please amend claim 1 as follows.

1.　　(Currently Amended) A method ~~of using a set of calibration standards comprised of a plurality of ferromagnetic slugs~~ to provide a temperature calibration for a ~~VTGA~~ vacuum thermogravimetric analyzer (VTGA) comprising:

selecting a plurality of ferromagnetic slugs wherein each slug includes an alloy including nickel and copper and wherein the amount of copper is within the range of 15% to 28%;

determining the Curie temperature of ~~a~~ each slug;

placing ~~the~~ each slug in a sample holder of a VTGA within a magnetic field;

setting a temperature of the VTGA to a temperature corresponding to a first set-point temperature greater than the Curie temperature of ~~the~~ each slug by an amount equal to a first offset value;

holding the temperature of the VTGA at a temperature corresponding to ~~a~~ said first set-point temperature for a first time interval sufficient to allow the VTGA to thermally equilibrate;

increasing the temperature of the VTGA to a second set-point temperature

greater than an immediately preceding set-point by an amount equal to a second

offset value;

holding the temperature of the VTGA at a temperature corresponding to a

said set-point temperature for a second time interval sufficient to allow the VTGA

to thermally equilibrate; and,

if the each slug does not lose magnetization, then repeating the previous

two operations, afterwards returning to this test; but if not, then recording the set-

point temperature at which the each slug loses magnetization as the apparent

Curie temperature of the each slug.

2.   (Cancelled)

3.   (Cancelled)

4.   (Cancelled)